

CONSTRUCTION VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Federal
oversight ✓

Contract ID 101022-701 Date 1/27/11
County Vernon Route 71 Job No. J7P0797E(F)
Contractor APAC-Missouri, Inc. Original Bid Cost \$7,768,514.46
Designed By APAC-Missouri, Inc. By David Wilkins
Phone 417-868-6700
VECP - 11-18

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

The original design calls for removing the existing shoulder along Rt. 71 to construct "change of mind" areas (See attached drawing). These "change of mind" areas are located past the ramp gore area on the off ramps (2 locations per interchange). My proposal is to use the existing shoulder as the "change of mind area", in lieu of replacing them. It doesn't make sense to me why we would tear out asphalt, to place asphalt back in an area that doesn't get that much traffic.

Note: No engineering fees were included in the above proposal. We are requesting that if any engineering is required, MoDOT perform the engineering at no cost to APAC-Missouri, Inc or this proposal. APAC-Missouri, Inc. to exclusively retain asphalt bonuses and deducts. We are submitting this as a VE 50/50 split.

The advantage of leaving the existing shoulder in place and using it as the "change of mind" area is that it will serve the same purpose at a lower cost to the taxpayers. It will also allow for faster construction time and thus minimizing disruption to the traveling public.

APAC-Missouri, Inc. does not foresee any disadvantages to the above proposal.

The estimated net savings is \$46,084.89. See attached quantity summary.

2. Estimate of reduction in construction costs.

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

APAC-Missouri, Inc. foresees no additional costs for MODOT.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

Detailed breakdown is attached

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

February 15, 2011

(date)

No change to completion date or schedule.

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A

(date and/or dates)

Additional Comments:

EXAMINED AND APPROVED 3/30/2011
DATE

FELIX R. GONZALEZ

Federal Highway Administration

I CONCUR 75/25 split

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

I agree that using the existing shoulder for this application is a good idea. The existing shoulder structure should be adequate for the limited use this area is likely to be exposed. Utilizing the shoulder in place is a best use practice for this situation. I recommend approval of this VE proposal.

Bob D. [Signature]
Submitted By Resident Engineer

2/4/11
Date

Comments: The contractor is required to core the shoulder at one location as directed by the Engineer. If the core sample results in a minimum of 6 inches of thickness of asphaltic bituminous pavement, the existing shoulder will be allowed to stay in place. If the core thickness results in less than 6 inches, the shoulder will be built per plan.

- ☒ Approval
Recommended
☐ Rejection
Recommended

Becky Balty
District Engineer

2-17-11

Date

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

SEE PREVIOUS PAGE

Submitted By Resident Engineer

Date

Comments:

SEE PREVIOUS PAGE

☐ Approval
Recommended

☐ Rejection
Recommended

District Engineer

Date

Comments:

SEE PREVIOUS PAGE

☐ Approval
Recommended

☐ Rejection
Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

APPROVED AS PRACTICAL DESIGN V.E. AT 75/25 SPLIT

☒ Approval

☐ Rejection

David D. Coover by PJS

State Construction and Materials Engineer

4-19-11

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA
Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

_____ Use in place existing shoulder in lieu of remove and replace.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

_____ Scan entire document.